SYSLOG Error: 'ALERT: Soft ECC Error in back side of DIMM Slot <n>, data bit <nn>'

Published 06/07/2001

Symptom(s):

SYSLOG Error: 'ALERT: Soft ECC Error in back side of DIMM Slot

, data bit

'

ESP Event Type Id: 55
ESP Class Description: Memory ECC
ESP Type Description: Memory ECC (soft) error

Fact(s):

IRIX 6.5.X
Silicon Graphics O2

SGI Solution:

This message is a notification of a corrected single bit memory error (soft ECC error).

If many (more than 2 per minute) soft ECC errors are occurring on the same memory DIMM, it is recommended that the memory DIMM be replaced.

Note: This solution was automatically retrieved by Embedded Support Partner (ESP). For questions regarding this solution or for any additional troubleshooting assistance please contact your support provider.

Cause(s):

Soft ECC errors are caused by a single bit failure for the memory word being accessed. Specific hardware built into each system automatically corrects the data read, and resets the faulty bit to it's proper value.

Additional Details

Creation Date	04/03/2001 09:31 AM
Last modification	09/20/2015 05:29 PM
Published Date	06/07/2001
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